

U.S. Application No.
Unknown

International Application No.
PCT/US03/09189

Attorney Docket No.
NIH227.001NP

Date: September 30, 2004

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**TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 USC 371**

International Application No.: PCT/US03/09189
International Filing Date: March 25, 2003
Priority Date Claimed: Yes
Title of Invention: METHOD AND APPARATUS FOR COUNTERCONCURRENT
CHROMATOGRAPHY
Applicant(s) for DO/EO/US: Yoichiro Ito

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. (X) This is a **FIRST** submission of items concerning a filing under 35 USC 371.
2. (X) This express request to begin national examination procedures (35 USC 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 USC 371(b) and PCT Articles 22 and 39(1).
3. (X) A copy of the International Application (35 USC 371(c)(2))
 - a) (X) is transmitted herewith (required only if not transmitted by the International Bureau).
 - b) () has been transmitted by the International Bureau.
 - c) () a copy of Form PCT/1B/308 is enclosed.
 - d) (X) is not required, as the application was filed in the United States Receiving Office (RO/US).
4. (X) Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3))
 - a) () are transmitted herewith (required only if not transmitted by the International Bureau).
 - b) () have been transmitted by the International Bureau.
 - c) () have not been made; however, the time limit for making such amendments has NOT expired.
 - d) (X) have not been made and will not be made.
5. (X) A **FIRST** preliminary amendment.
6. (X) A return prepaid postcard.
7. (X) The following fees are submitted:

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				FEES
BASIC FEE				\$770
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims	24 - 20 =	4 ×	\$18	\$0
Independent Claims	7 - 3 =	4 ×	\$86	\$0
Multiple dependent claims(s) (if applicable)			\$290	\$0
TOTAL OF ABOVE CALCULATIONS				\$770
TOTAL NATIONAL FEE				\$770
TOTAL FEES ENCLOSED				\$770

8. (X) The fee for later submission of the signed oath or declaration set forth in 37 CFR 1.492(e) will be paid upon submission of the declaration.
9. (X) A check in the amount of \$770 to cover the above fees is enclosed.
10. (X) The Commissioner is hereby authorized to charge only those additional fees which may be required, now or in the future, to avoid abandonment of the application, or credit any overpayment to Deposit Account No. 11-1410.

SEND ALL CORRESPONDENCE TO:


Thomas R. Arno
Reg. No. 40,490
Customer No. 45,311
(619) 235-8550

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Thomas R. Arno
619-687-8629
tarno@kmob.comMAIL STOP PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

Attorney Docket No. : NIH227.001NP

Applicant(s) : Yoichiro Ito

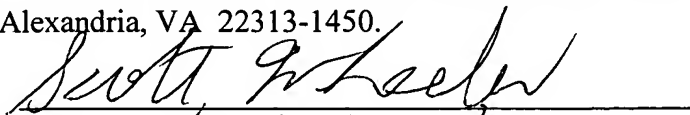
For : METHOD AND APPARATUS FOR
COUNTERCURRENT CHROMATOGRAPHY

Attorney : Thomas R. Arno

"Express Mail"
Mailing Label No. : EV 465 558 531 US

Date of Deposit : September 30, 2004

I hereby certify that the accompanying

Transmittal letter; Published Application; Preliminary Amendment; Check for
Filing Fee; Return Prepaid Postcardare being deposited with the United States Postal Service "Express Mail Post Office to
Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

SCOTT WHEELER